

Title (en)
FLOW-ALTERING REFINER SEGMENT

Title (de)
DURCHFLOSSVERÄNDERNDES REFINERSEGMENT

Title (fr)
SEGMENT DE RAFFINEUR À MODIFICATION D'ÉCOULEMENT

Publication
EP 4097294 C0 20240501 (EN)

Application
EP 22712138 A 20220302

Priority
• US 202163175752 P 20210416
• US 2022018451 W 20220302

Abstract (en)
[origin: US2022333303A1] Refiner plate segments for a conical refiner may include a rotor plate segment having inlet openings disposed at one or more inlet locations on the rotor plate segment, and a stator plate segment having outlet openings disposed at one or more outlet locations on the stator plate segment. The rotor plate segment is disposed opposite the stator plate segment such that the one or more rotor plate segment refining areas and the one or more stator plate segment refining areas oppose each other, and the one or more inlet locations and the one or more outlet locations are separated by one or more refining zones formed by the rotor plate segment refining areas and the stator plate segment refining areas.

IPC 8 full level
D21D 1/24 (2006.01); **D21D 1/26** (2006.01)

CPC (source: EP KR US)
D21D 1/24 (2013.01 - EP KR); **D21D 1/26** (2013.01 - EP KR US)

Designated contracting state (EPC)
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Participating member state (EPC – UP)
AT BE BG DE DK EE FI FR IT LT LU LV MT NL PT SE SI

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US 2022333303 A1 20221020; BR 112022016602 A2 20221108; BR 112023021138 A2 20231212; CA 3167250 A1 20221016; CA 3167250 C 20230926; CA 3213298 A1 20220929; CN 115485432 A 20221216; CN 115485432 B 20240326; CN 117203390 A 20231208; EP 4097294 A1 20221207; EP 4097294 B1 20240501; EP 4097294 C0 20240501; EP 4323580 A1 20240221; JP 2023522816 A 20230601; JP 2024514647 A 20240402; JP 7385051 B2 20231121; KR 102549155 B1 20230630; KR 20220143861 A 20221025; KR 20230153449 A 20231106; MX 2022010812 A 20221108; MX 2023011819 A 20231013; US 11555273 B2 20230117; US 2022333304 A1 20221020; WO 2022220942 A1 20221020; WO 2022220943 A1 20221020

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US 202117521278 A 20211108; BR 112022016602 A 20220302; BR 112023021138 A 20220302; CA 3167250 A 20220302; CA 3213298 A 20220302; CN 202280003271 A 20220302; CN 202280028536 A 20220302; EP 22712137 A 20220302; EP 22712138 A 20220302; JP 2022548817 A 20220302; JP 2023563109 A 20220302; KR 20227029843 A 20220302; KR 20237033798 A 20220302; MX 2022010812 A 20220302; MX 2023011819 A 20220302; US 202117521339 A 20211108; US 2022018448 W 20220302; US 2022018451 W 20220302